

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 6/19/2017 2:30:35 PM
To: J. Thaddeus Coin, PhD, MD **Personal Matters / Ex. 6**
CC: Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]
Subject: RE: asking your guidance in my reading on fluorocarbons

Thad,

Andy was away at a PFAS conference last week presenting some of our data concerning the findings of GenX in the water in NC and in WV/OH samples.

We have been considering biomonitoring for GenX and related analytes in serum/urine of those exposed for some time. As there are no existing methods available we need to produce methods for inclusion in bio-monitoring studies. I think this is a fantastic idea. This collection of samples would show via biomonitoring data internal body burden which has not been done for these analytes yet.

I am sending a link to the GenX chemical(s) for chemicals and physical data. You should know that the company refers to the ammonium salt of the chemical as the GenX processing aid. However in water it exists as a free acid. Here is a link to both.

The CAS for the GenX ammonium salt is CAS 62037-80-3

<https://comptox.epa.gov/dashboard/dsstoxdb/results?utf8=%E2%9C%93&search=62037-80-3>

The free acid has the CAS 13252-13-6

Called undecafluoro-2-methyl-3-oxahexanoic acid

<https://comptox.epa.gov/dashboard/dsstoxdb/results?utf8=%E2%9C%93&search=13252-13-6>

The only DW system I am aware of that has been tested is the Sweeny plant in Wilmington, NC. I do believe they share a common raw water with Brunswick county. In addition there is a raw water intake that feeds the Smithfield packing plant about 5-10 miles downstream of Chemours that I believe has not been tested. I expect it would be higher as it is closer to the source.

I am glad to chat.

Mark

From: J. Thaddeus Coin, PhD, MD [mailto: **Personal Matters / Ex. 6**]
Sent: Sunday, June 18, 2017 9:52 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: Fwd: asking your guidance in my reading on fluorocarbons

Hello Dr. Strynar,

I am forwarding this to you as you are clearly a key member of the research team. I have not yet received a response from Dr. Lindstrom.

I am continuing to learn about these C8 replacement compounds. I am now trying to find physical property data (solubility, hydrophilicity, tissue affinity, etc.). Any help would be greatly appreciated.

I am considering creating a registry of fellow exposed individuals with body fluid collection.

My brother, the environmental engineer asked a great question: have public water systems been sampled and tested?

Any little direction would be greatly appreciated.

Thanks!

Thad Coin

----- Forwarded message -----

From: **J. Thaddeus Coin, PhD, MD** <**Personal Matters / Ex. 6**>

Date: Fri, Jun 16, 2017 at 1:57 PM

Subject: asking your guidance in my reading on fluorocarbons

To: lindstrom.andrew@epa.gov

Hello Dr. Lindstrom,

I apologize for contributing to the flood of email I am sure you are getting.

I am a neurologist with some credentials in Chemistry and Biochemistry who has lived and practiced in Wilmington, NC for the past 29 years. You may have run into my brother, Patrick, who is an environmental engineer and has done research in asbestos. He has taught at Durham Technical Institute since the 1990's.

I find, as of last week, that my family, I and most of the residents of Wilmington are unwitting subjects of the experimental exposure to GenX and other poly- and perfluorocarbons. After jumping into the literature when the news broke last week, I am so surprised that few Wilmingtonians appear to have noticed the work that you and your colleagues have been publishing for years! I am not just a little suspicious of our civic leaders!

In any case, I want to learn all that I am able. I envision participating in the future in data collection.

I have not been able to get to methods of collecting human blood and tissue samples for mass spec analysis. Would you be willing to give me a little guidance in the right direction? I am just a private practitioner who just uses Google and occasionally my Neurology society memberships for online research. But I am working on methods to broaden my literature access.

I have enjoyed reading parts of your papers and presentations online and hope to dive deeper!

Thanks so much for any direction you can give me!

Thad Coin

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J. Thaddeus Coin, PhD, MD

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